

Species name	Risk Group	Risk Group Source	Disease risk to humans?	Part number/name	Natural function of part	How did you acquire it?	How will you use it?
<i>Acidithiobacillus ferrooxidans</i>	1	TRBA	No	xxx	xxx	Collaboration with Dra. Denise Bevilaqua of UNESP (Brazil)	This bacteria naturally devulcanizes rubber. We will use the whole organism to perform this process, as a pre-treatment to rubber degradation - performed by the E. coli genetically modified in our project.
<i>Acidithiobacillus thiooxidans</i>	1	TRBA	No	xxx	xxx	Collaboration with Dra. Denise Bevilaqua of UNESP (Brazil)	This bacteria naturally devulcanizes rubber. We will use the whole organism to perform this process, as a pre-treatment to rubber degradation - performed by the E. coli genetically modified in our project.
<i>Escherichia coli</i> BL21	1	NIH	Yes. If E. coli is ingested it may cause diarrhea. If it has contact with skin infections, they may be inflamed; and if E. coli gets in touch with the eyes, conjunctivitis may occur.	xxx	xxx	We have got it from Molecular Biophysics Research Group - a collaborating group, which also provides us infrastructure for wetlab experiments.	We will use this bacteria for expression experiments of the developed DNA circuit.
<i>Escherichia coli</i> DH5α	1	iGEM website (http://2015.igem.org/Safety/Risk_Groups#HowToFindRiskGroup)	Yes. If E. coli is ingested it may cause diarrhea. If it has contact with skin infections, they may be inflamed; and if E. coli gets in touch with the eyes, conjunctivitis may occur.	xxx	xxx	We have got it from Molecular Biophysics Research Group - a collaborating group, which also provides us infrastructure for wetlab experiments.	We will use this bacteria for transformation experiments of the developed DNA circuit.
<i>Xanthomonas</i> sp. 35Y	1	TRBA	No	RoxA (Rubber Oxygenase)	Degradating Natural Rubber	Collaboration with Dr. Dieter Jendrossek from the University of Stuttgart (Germany)	This part has the function of producing a enzyme capable of natural rubber degradation.
<i>Streptomyces</i> sp. K30	1	TRBA	Although Streptomyces infections are infrequent in humans, mycetoma can be caused by <i>S. somaliensis</i> and <i>S. sudanensis</i> .	Lcp (Latex Clearing Protein)	Degradating Natural Rubber	Collaboration with Dr. Dieter Jendrossek from the University of Stuttgart (Germany)	This part has the function of producing a enzyme capable of natural rubber degradation.